

SAFETY DATA SHEET

N-LARGE PREMIER

1. Product and Company Identification

Product Code: Z-NLARGEPMR
Product Name: N-LARGE PREMIER
Trade Name: N-LARGE PREMIER
Company Name: Stoller
9090 Katy Freeway
Suite 400
Houston, TX 77024
Phone Number:
1 (713)461-1493

Web site address: www.stollerusa.com
Email address: compliance@stollerusa.com
Emergency Contact: Chemtrec, In the US and Canada call 1 (800)424-9300
Chemtrec, From other countries call +1 (703)527-5283

Information: 1 (800)539-5283
Intended Use: For agricultural use only

2. Hazards Identification

Acute Toxicity: Oral, Category 4

Acute Toxicity: Skin, Category 5

Flammable Liquids, Category 3



GHS Signal Word:

Warning

GHS Hazard Phrases:

H226 - Flammable liquid and vapor.

H302 - Harmful if swallowed.

H313 - May be harmful in contact with skin.

GHS Precautionary Phrases:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P243 - Take precautionary measures against static discharge.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

GHS Storage and Disposal Phrases:

P403+235 - Store in cool/well-ventilated place.

P501 - Dispose of contents/container to permitted waste facility.

OSHA Regulatory Status:

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

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Potential Health Effects (Acute and Chronic):	Chronic: Expected slight toxicity hazard via skin contact. Repeated or prolonged exposure can produce respiratory tract severe irritation and skin irritation.
Inhalation:	May be harmful if inhaled.
Skin Contact:	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Eye Contact:	Causes moderate eye irritation.
Ingestion:	May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
77-06-5	(+)-Gibberellic acid	<10.0 %	LY8990000
NA	(Trade Secret)	<90.0 %	NA

4. First Aid Measures

Emergency and First Aid Procedures:	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. If necessary, also rescuers must be attended. Always bring with victim a copy of label and SDS of product to health professional.
In Case of Inhalation:	Move patient to fresh air. Supplemental oxygen may be needed if breathing is labored. Assure mucous does not obstruct airways. Call physician if breathing becomes difficult.
In Case of Skin Contact:	Take off contaminated clothing and rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Eye Contact:	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Ingestion:	Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	68.00 C (154.4 F) Method Used: Closed Cup
Explosive Limits:	LEL: N.E. UEL: N.E.
Autoignition Pt:	N.E.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers not yet surrounded by flames but exposed to intense heat should be cooled with water sprays.
Flammable Properties and Hazards:	Not an explosion hazard. Rags or fabric wools soaked with any solvent may pose a fire hazard and should be stored in appropriate containers. Possible toxic fumes under fire conditions.
Hazardous Combustion Products:	Incomplete combustion can produce CO.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:

In case of a large spill, immediately protect people by evacuating all non-trained personnel and any general public. Isolate the area. Prevent exposure to all potential sources of ignition, such as lighted cigarettes, sparks, flames, etc. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and boots, goggles or full face-shield and coveralls.

Environmental Precautions:

Do not allow to enter drains or waterways.

Steps To Be Taken In Case Material Is Released Or Spilled:

It is necessary to contain the spill into the smallest area possible by diking, scooping, enclosing, etc., using non-sparking tools; place liquid into an appropriate container and label it. If liquid is absorbed onto a dry carrier such as dirt or other absorbent material, then it should be put in covered, labeled containers and disposed of as dry waste in accordance with Federal, State and Local waste disposal regulations.

7. Handling and Storage

Precautions To Be Taken in Handling:

Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, or clothing. Avoid ingestion and inhalation. Use only in a well-ventilated area. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers. Do not cut, drill, grind, weld or perform similar operations on or near containers, nor expose them to intense heat, flames, sparks, static electricity or other sources of ignition; they may ignite and cause bodily injury or even death.

Precautions To Be Taken in Storing:

Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Store in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store away from food, feed, clothing materials and living quarters. Keep away from reach of children and pets. Whenever possible, place chemicals on secondary containers or diked area. Keep containers tightly closed when not in use.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
77-06-5	(+)-Gibberellic acid	No data.	TLV: N/L	No data.
NA	(Trade Secret)	No data.	No data.	No data.

Recommended Exposure Limits:

No occupational exposure limits have been established for this mixture.

Respiratory Equipment (Specify Type):

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Minimum layer thickness: 0.11 mm Break through time: 480 min.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers.

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Other Protective Clothing:	Wear long sleeve shirt, long pants, and protective shoes with socks.
Engineering Controls (Ventilation etc.):	General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing, as well as any other PPE.
Environmental Exposure Controls:	Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear to light yellow color. Characteristic, stingy odor.
pH:	N.E
Melting Point:	N.E.
Boiling Point:	160.00 C (320.0 F)
Flash Pt:	68.00 C (154.4 F) Method Used: Closed Cup
Evaporation Rate:	0.04 (BuAC=1)
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: N.E. UEL: N.E.
Vapor Pressure (vs. Air or mm Hg):	0.7 MM_HG at 20.0 C (68.0 F)
Vapor Density (vs. Air = 1):	4.27
Specific Gravity (Water = 1):	1.08 - 1.1
Density:	9.01 - 9.17 LB/GA
Solubility in Water:	> 99%
Saturated Vapor Concentration:	N.E.
Octanol/Water Partition Coefficient:	N.E.
Percent Volatile:	N.A.
Autoignition Pt:	N.E.
Decomposition Temperature:	N.E.
Viscosity:	N.E cSt

10. Stability and Reactivity

Reactivity:	N.A.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Product would burn if exposed to fire conditions.
Incompatibility - Materials To Avoid:	May react with strong oxidizers.
Hazardous Decomposition or Byproducts:	Toxic fumes (CO, CO2) under fire conditions.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid -	None known.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Mutagenicity: This product has not been investigated for mutagenic effects.
Embryotoxicity: This product has not been investigated for embryotoxic effects.
Teratogenicity: This product has not been investigated for teratogenic effects.
Reproductive Toxicity: This product has not been investigated for toxic reproductive effects.

Irritation or Corrosion: No data available.

Symptoms related to Toxicological Characteristics: No data available.

Sensitization: The sensitizing properties of this product have not been thoroughly investigated.

Chronic Toxicological Effects: No data available.

Carcinogenicity/Other Information: The carcinogenic properties of this product have not been thoroughly investigated.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
77-06-5	(+)-Gibberellic acid	n.a.	n.a.	n.a.	n.a.
NA	(Trade Secret)	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination.
Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures." Due to its growth hormone nature, may cause eutrophication if discharged in bodies of water.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section 15. If the word "YES" is marked next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: Product is biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority. Avoid contaminating water by disposal of equipment wash waters or other product wastes. Empty containers may have residues (liquid and/or fumes), thus handle them with care. Do not cut, drill, grind, weld or perform similar operations on or near containers, nor expose them to intense heat, flames, sparks, static electricity or other sources of ignition; they may ignite and cause bodily injury or even death. Dispose properly accordingly to regulations on empty containers in your locality or make available to a container reconditioning facility for

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recycling. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Combustible liquid, n.o.s. (Contains Ethyl lactate)

DOT Hazard Class:

UN/NA Number: NA1993 **Packing Group:** III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name:

UN Number: 1993 **Packing Group:** III

Hazard Class: **IMDG MFAG Number:** 129

IMDG EMS Page:

Additional Transport Information: Placards / Markings: N.A.

Reportable Quantity: N.A.

Emergency Response Guide Number: N.A.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
77-06-5	(+)-Gibberellic acid	No	No	No
NA	(Trade Secret)	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Acute toxicity (any route of exposure) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
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CAS #	Components (Chemical Name)	Other US EPA or State Lists
77-06-5	(+)-Gibberellic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

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NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No
CAS #	Components (Chemical Name)	International Regulatory Lists
77-06-5	(+)-Gibberellic acid	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - (P)
NA	(Trade Secret)	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; REACH: No

Regulatory Information:

TSCA Inventory

This product contains chemical substance(s) exempt from U.S. EPA TSCA Inventory requirements. It is regulated as a pesticide subject to Federal Insecticide, Fungicide, Rodenticide Act (FIFRA) requirements.

Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION.

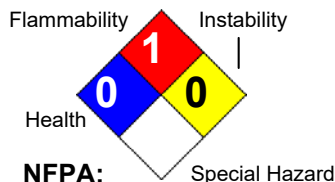
Regulatory Information Statement:

If this product contains components designated as CERCLA Reportable Quantity (RQ) Substance, Section 103 of CERCLA requires the "person in charge" of a facility or vessel, as soon as he or she has knowledge of a release of a hazardous substance in an amount equal to or greater than an RQ, to report the release immediately to the National Response Center in Washington, DC. The NRC number is 1 (800) 424-8802 or 1 (202) 267-2675.

16. Other Information

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Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.